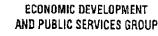
COUNTY OF SAN BERNARDING **ECONOMIC DEVELOPMENT**

J. WILLIAM INGRAHAM, A.A.E.

Director



DEPARTMENT OF AIRPORTS



21600 Corwin Road - Apple Valley, CA 92307 - (760) 247-2371 - Fax (760) 240-1350 39500 National Trails Highway • Daggett, CA 92327 • (760) 254-2422 • Fax (760) 254-3317

April 16, 2002

POTOMAC AVIATION TECHNOLOGY CORPORATION

Super Unicorn Potomac Airfield 10300 Glen Way Fort Washington, MD 20744

Dem Gary and David,

We have now had our Super Unicorn for 3 years, and I wanted to take the time to tell you that I truly don't know how we survived without it. It has been reliable and an asset to our airport. Our pilots are very happy with the operation; accuracy and especially tha radio check ability.

Our winds on the desert are normally high and create a safety issue which the Super Unicorn handles by giving wind speed, wind direction and advises the pilot of the correct runway for landing.

I think our favorite feature on the Super Unicorn is that we are able to add additional information for the pilot such as any dangerous obstacles, closed runways, etc. I have felt that after hours alone this unit has paid for itself.

I want to thank you both for your continued assistance and for keeping our system updated with the latest changes and mechanical devices. Your staff has been courtesy, helpful and has provided exemplary service to our airport staff. Thank you.

I would wholeheartedly recommend the Super Unicorn as well as Potomac Aviation Technology Corporation to any airport that wants 2 safe, reliable system to advise air traffic in a safe manner. We hope in the future to have Super Unicom's at our outlying airports.

Sincerely,

Diane Homer

Apple Valley Airport Apple Valley, California

Diamedone

DIST. - BASHALL SERV Costory deleterations are Orderer BOTH COST จารเราะบาย ผู้บานสาคา<mark>จะส</mark>าคาสาคา Consecution (Netherlangements, as here)

The facility were better a

Board of Supervisory

BILL POSTWOS First Dientos DENNIS HARSSEPGER

Or on Durings



December 18. 2001

DAVID WORTOFSKY
POTOMAC ARFIELD
10300 GLEN WAY
FORT WASHINGTON, MD 20744

SUBJECT: CLARIFICATION ON INSTRUMENT APPROACH PROCEDURES MINIMUMS

Dear Mr. Wortofsky:

I have received your **request** for clarification of **ceiling** information with **regards** to **FAA** instrument approach procedure minimums.

This letter confirms that instrument appmacb procedure minimums for all types of operations. including commercial arc predicated on the following:

A visibility value, a minimum descent altitude (MDA), a height above touchdown (HAT) for straight-in instrument approach procedures, and height above airport (HAA) for circling maneuvers.

Ceiling information is not a determinate for instrument approach procedures minimums.

A system, such as the Supermicom, that can provide a FAA approved altimeter setting, FAA approved visibility, meets all of the requirements.

Please let me know if you have any questions or if I may be of further assistance.

Sincerely,

ichael . Vermuth
/ Program Manager,
New York City Right Procedures Office

PAGE 16/17 Page 4 of 4

Your Comments & Suggestions Make the System Better We'll look forward to your comments, both good and bod. Your comments help make the SUPERUNICOM cocn better for everyone!

Email your comments and suggestions directly to us at bigcheese@superunicom.com

Thank You,

David Wartofsky - Big Cheese Potomac Aviation Technology Corp. (800) 207 8999

PAGE 11/17 Page 1 of 1

ROW TO APPLY FOR A SUPERUNICOM USTNG FAA AIP FUNDS

STEP 1	Contact your local Airport District Office ('ADO')	Find Your FAA Airport District Office
STEP 2	Submit your request to your FAA airport office	Sample ADO Superunicom Request Letter
STEP 3	Obtain bids via public notice	Sample Request for Bid
STEP 4	Accept your AIP grant	OMB Application for Federal Assistance Form 424
STEP 5	Tell us how you would like your system configured	Setup Form or Call 800 207 8999
STEP 6	Tell us where to ship it	<u>Setup Form</u> Call 800 207 8999

Link to Other Handy FAA Forms

CDA Airport Ex. 28

Data Transmission Network



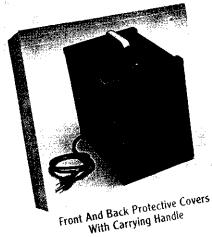
News...Not History



Increase Your Communications Range

The compact GR300 Repeater increases the range and capabilities of your mobile or portable communications, solving special coverage problems quickly, easily and inexpensively. It provides the flexibility to build a repeater which meets the frequency bands/power level requirements in a wide variety of applications.





Protective Grill Removed To Show Temperature Controlled Fan

Features/Advantages

- Designed for Portability
- Field Programmable
- Remote Repeater Setup and Knockdown
- a Desktop Control Point Operation
- Supports VHF/UHF/Crossband
- Multiple Frequency Operation Available
- Temperature Controlled Fan for Continuous Duty Cycle (25 Watts to Duplexer)
- Time-out Timer

Standard Repeater Model Includes:

- a Metal Enclosure with Temperature Controlled Fan
- Repeater Interface Communications Kit (R*I*C*K)
- Power Supply with Switchable Primary Voltage
- Complete Set of Cables to Facilitate All Interconnections

Complete Package Requires The Addition Of:

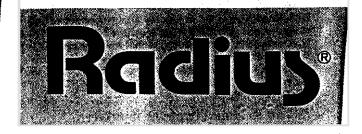
- 2 Radius GM300 Mobile Radios
- Duplexer (available in all sub-bands)

Alternatives To The Standard Configuration

- ZR310 Multiple Tone Panel
- i50R Basic Telephone Interconnect
- ZR320 Interconnect With Selective Calling
- ZR330 Remote Telephone Interface

Accessories

- Tone Remote Adapter
- DC Remote Adapter
- Front and Back Protective Covers with Carrying Handle
- C100 Deskset
- Antenna Systems
- Desk Microphone
- Many GM300 Accessories



GRS00 Repeater



Exceptional Performance Made Affordable

The Radius M120 is a 2-channel radio designed specifically to meet the needs of small group to large fleet operations that require basic mobile communications. It incorporates Motorola's breakthrough technology and superior sound quality, while eliminating features better suited for more complex operations. The M120 is able to provide you with high performance and durability at an extremely competitive price.

Features/Advantages

- Synthesized, Programmable 2-Channel Operation
- Available in Wideband VHF or UHF Models
- Adjustable Power Output
- High Power Models cover 25 to 40/45 Watts
- 12.5 or 20/25 kHz Channel Spacing Models'
- Multiple Coded Squelch Capability (PL/DPL)
- Programmable for Local or Wide Area Coverage
- Remote Mount Capability
- Internal Speaker
- Time-out Timer
- Busy Channel Lockout
- Rugged Construction
- Easy to Operate
 - -Monitor Button with LED Indicator
 - -Channel Button with LED Indicator
 - -Transmit/Busy LED Indicator
 - * See back spec page for details

Standard Model Includes

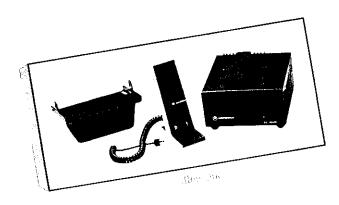
- · Compact Microphone with Hang-Up Clip
- Power Cable
- · Non-Locking Mounting Bracket

Accessories

- Touch-Code Encoding Microphone
- Removable Slide Mount Tray Package
- Base/Control Station Operation
- External 7.5 Watt Speaker













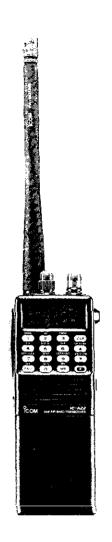
INSTRUCTION MANUAL

VHF AIR BAND TRANSCEIVER

IC-A22 IC-AZZE

This device complies with Pan 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

Icom Inc.



LBI-31295D



GE Mobile Communications



PHOENIX'" SX, PSX200 & PSX_SE

Installation Manual

COM 760 TSO VHF Transceiver Installation/Owner's Manual









EXPANDING COMMUNICATIONS



MOTOROLA

GIT 300 MOBILE TWO-WAY RADIOS

Radius GM300 Series Mobile Two-way Radio Specifications

General

	VHF			UHF					
Model Series:	M03GMC	M33GMC	M43GMC	M04GMC	M34GMC	M44GMC	M44GMC	M44GMC	M44GMC
Frequency Range:		146-174 MHz		438-470 MHz	438-470 MHz	403-433 MHz	438-470 MHz	465-495 MHz	490-520 MHz
RF Output:	1-10W*	10-25W*	45W	1-10W*	10-25W*	25/40W	25-40W*	25/40W	25/35W
Channel Capacity:					8 or 16				
Frequency Separation:		28 MHz		32	MHz	30 MHz	32 MHz	30	MHz
Primary Input Voltage EIA: CEPT 84:					13.8±10% 13.2±20%				
FCC Designation:	ABZ99FT3032	ABZ99FT3030	ABZ99FT3033	ABZ99FT4033	A8Z99FT4030	ABZ99FT4032	ABZ99FT4034	ABZ99FT4035	ABZ99FT403
Typical Current Drain Rated Audio (7.5W):		1.5A							
Transmit:	4.0A 7.0A 15.0A 4.0A 7.5A 12.5A								
Standby:	400mA								
Squelch Capability:	Tone Coded, Digital Codedand/or Carrier Squelch								
Dimensions:	2" x 7" x 7.75" (50.8 x 178 x 198 mm)								
		61 oz. (1.7 kg)							

^{*}Continuously variable power

FrequencyStability (-30°C to +60°C):		1.000	25%		
Spurs/Harmonics 1 to 25W: >25W: Exceptions:	(-	-36 dBm - 13 dBm - 13-433 MHz) / -			
Audio Response: (From a 6 dB/Oct. Pre-Emphasis 300 to 3000 Hz, 2550 Hz @ 12.5 kHz)		+1/-	3 dB		
Audio Distortion: (@ 1000 Hz, 60% of Rated Mar. Deviation)	<3% EIA				
FCC Modulation @ 20/25/30 kHz: @ 12.5 kHz:	16K0F1D, 16K0F2D, 16K0F3E 11K0F1D, 11K0F2D, 11 K0F3E				
Output Impedance:	50 Ω				
Modulation Sensitivity:	80 mV for 60% max. deviation at 1000Hz				
Channel Spacing:	20/25/30 kHz	12.5 kHz	20/25/30 kHz	12.5 kHz	
FM Noise EIA: CEPT 84:	45 dB 55 dB	40 dB 50 dB	40 dB 50 d8	35 dB 45 dB	

Optional Signalling Features with RapidCall Package

Available in	16-Channel	Models Only

Signalling Formal: encode/decode	PTT ID	Call Alert	Voice SelCall	Emergency	Radio Check
MDC-1200:	х	X	х	Х	Х
Quik-Call II:		Х	х		
DTMF:	х	х	х		
Star (encode only):	х			X	

Also Includes Singletone Repeater Access & DTMF - ANI for Phone Access & Select V Signalling

For further information contact:

litani Standards 810 C. D& E

	810C			QD QQ	810E	
plicable MIL-STD:	Methods	Procedures	Methods	Procedures	Methods	Procedures
tow Pressure:	5w.1	1	500.2	'1	5w.3	1
High Temperature:	501.1	1.2	501.2	1,2	5013	1.2
Low Temperature:	502.1	1	502.2	1.2	502.3	1.2
emperature Shock:	503.1	1	503.2	1	503.3	1
Solar Radiation:	505.1	1	505.2	1	505.3	1
Rain	506 1	2	506.2	2	506.3	2
Humidity:	507.1	2	507.2	2	507.3	2
Salt Fog:	509.1	1	5W.2	1	509.3	1

	VH	IF	U	HF		
Channet Spacing:	12.5 kHz	20/25/30 kHz	12.5 kHz	20125 kHz		
Sensitivity EIA: 12db Sinad: Cept 84: 20db Sinad:	. 35 μV .45 μV	.30 μ∀ .40μV	.35 μV . 45 μV	.30 μV .40 μV		
Squelch:		10 dB :	SINAD			
Selectivity Ftå-	-70 dB	- 80 dB	-65 dB	-75 dB		
Intermodulation* EIA: I CEPT 84:	-70 dB -73 dB	-78 dB -73 dB	-65 dB -70 dB	-75 dB -70 dB		
FrequencyStability: (-30°C 10+60°C)		±.00025%				
Spur Reieclion EIA CEPT 84:	-80 dB -75 dB -75 d8 -70 dB					
Image Rejection EIA CEPT 84:	-80 dB -75 dB -80 dB -75 dB					
Audio Output: External Speaker (8Ω) EIA (@ < 5% Dist): CEPT 84 (@ < 10% Dist.): Internal Speaker:	7.5 W 5.0 W 3.0 W N ominal					
EIA Useable Bandwidth:	1.2 kHz	2.0 kHz	1.2 kHz	2.0 kHz		
Input Impedance:		50 Ω				



Motorola, Radius, Private Line, Digital Private Line, Ourk-Cali II, RapidCali, Call Alert, MDC-1200 and Touch-Code are trademarks of Motorola, Inc.







Norstar-PLUS Compact ICS Telephone Feature Card

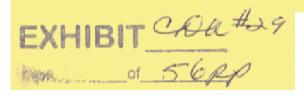


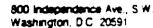
OBSERVER HANDBOOK

AUTOMATED WEATHER OBSERVING SYSTEM (AWOS) (INTERIM)

MAY 15, 1991

REVISION "A"







MAY 15 1991

SUBJECT: Revision "A", Observer Handbook, Automated Weather

Observing System (AWOS) (Interim)

TO: All Holders of the Observer Handbook

Enclosed is Revision "A" to the Observer Handbook, Automated Weather Observing System (AWOS) (Interim), dated May 15, 1991. It supersedes the basic Handbook dated August 1, 1989: Change 1 dated December 1, 1989: Change 2 dated April 15, 1990; and Change 3 dated December 18, 1990. A vertical bar (1) in the left margin indicates changed material. Currrently commissioned AWOS sites are to implement the revised procedures within two weeks of receipt of the document. New sites are to implement the revised procedures concurrent with the commissioning of the AWOS.

This revision has been coordinated with the National Weather Service (NWS).

Sincerely,

|VSBY| 24 = 6/4 25 = 1/4 50 = 1/2 100 = 1 200 = 2 250 = 2/2 350 = 3/2 500 = 5 550 = 75

Con_George McConnell, Jr.

Associate Program Manager, Weather Sensors

Enclosure

PREFACE

This Observer Handbook (Interim), Automated Weather Observing System (AWOS), was prepared by the Federal Aviation Administration (FAA) in cooperation with the National Weather Service (NWS). The instructions contained in this Handbook have been coordinated with both agencies.

This revision (Revision "A") of the Handbook supersedes the basic AWOS Observer Handbook dated August 1, 1989: Change 1 dated December 1, 1989; Change 2 dated April 15, 1990; and Change 3 dated December 18, 1990.

User questions or comments should be addressed to:

FAA * Ken Kraus (ANW-140/Tel: 202-267-8676), or to

NWS - Mike Rigney (W/OSO14/Tel: 301-427-2792)

George McConnell, Jr.

Associate Program Manager,

love MCmall (1.

Weather Sensors (FAA)

Gerald F. O'Brien

Chief, Surface Observations

(NWS)

RECORD OF CHANGES

Effective	Initials	Date	Remarks
Date		Entered	
			
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	Effective Date	Effective Date Initials	Effective Date Entered

CON N

<u>Paragraph</u>	Pac	<u> </u>
1.0	INTRODUCTION	1
1.1	General	1
1.2	Certification of Weather Observers	2
1.3	Operational Modes	2
1.4	Manual Backup	2
1.5	Changes	4
2.0	DESCRIPTION OF AWOS OPERATIONAL MODES	
2.1	Mode 1. Full-Time Automated Operation	4
2.2	Mode 2, Full-time Automated Operation with	
_ • _	Airport NOTAMs	7
2.3	Mode 3. Full-time Automated Operation with	•
_,,	Manual Weather Augmentation and Airport NOTAMs	7
2.4	Mode 4, Part-time Manual Operation	8
3.0	OBSERVING PRACTICES	9
3.1	General	9
3.2	Determination of the Mode of Operation	
3.3	Changes to the Mode of Operation	10
3.4	Recording of Observations	10
4.0	ARCHIVING	10
5.0	MAINTENANCE AND OUTAGE REPORTING	11
5.1	Maintenance	11
5.2	Outage Reporting	11
6.0	SYSTEM OPERATING PROCEDURES	11
6.1	Controls and Indicators	11
6.2	Passwords	11
6.3	Mode 1, Full-time Automated Operation,	
	Procedures	11
6.3.1	System Start-up	11
6.3.2	System Self-Checks	14
6.4	Mode 2, Full-time Automated Operation with	
	Airport NOTAMs, Procedures	14
6.4.1	Operator/System Interaction	14
6.5	Mode 3, Full-time Automated Operation with Manual	
	Weather Augmentation and Airport NOTAM, Procedures	15
6.5.1	Observer/System Interaction	17
6.5.2	Appending a Manual Weather Entry to the Service A	
	Weather Message	17
6.5.3	Appending a Manually Recorded Weather Entry to the	
	Voice Message	21
6.5.4	Entries on MF 1-10 or MF 1-lot	
6.5.5	Setting a Channel (Sensor) In/Out of Service	
6.6	Mode 4, Part-time Manual Operation, Procedures	
6.6.1	Observer/System Interaction	24

OBSERVER HANDBOOK (AWOS) REVISION A

5/15/91

TABLE OF CONTENTS (continued)

Paragraph		Page
6.6.2	Set Manual Mode	24
6.6.3 6.6.4	Setting a Channel (Sensor) In/Out of Service Return to Automated Operation from Manual	27
	Operation	28
6.7	Miscellaneous Functions	29
6.7.1	Setting the Printer Interval	29
6.7.2	Disable/Enable Automated Voice Outputs/Set Test	
	Status	29
6.8	Archive Procedures	30
6.8.1	Printing/Displaying Archived Data	
6.8.2	Locking/Freezing a Segment of Archived Data Printing/Displaying Locked/Frozen Segment	30
6.8.3	Printing/Displaying Locked/Frozen Segment	30
Appendix	A Figures	A-1